RECEIVED
CENTRAL FAX CENTER
APR 21 2006

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Certificate
APR 25 2006
of Correction

In re:
U.S. Patent No: 6,843,900 B2

Inventors: Dutta et al.

Issued: January 18, 2005

Serial No.: 10/040,036

Examiner: Kaj K. Olsen

Group Art Unit: 1753

Title: POTENTIOMETRIC NOx SENSORS BASED ON YTTRIA-STABILIZED ZIRCONIA WITH ZEOLITE MODIFIED ELECTRODE

Docket No.: OSU1159-159A

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. §1.8 (A)

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office at Central Fax No. (571) 273-8300 on April 21, 2006.

Trisha M. Beachy-Bryant Paralegal

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8 (A)

Date of Deposit: January 14, 2005

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Trisha M. Beachy, Paralegal

Sir:

## REQUEST FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 C.F.R. 1.322

Transmitted herewith is a Certificate of Correction for the above-referenced patent.

Upon reviewing the patent, the patentee noted that the following references were omitted by the Patent and Trademark Office, which should be inserted as follows:

In References Cited (56), Other Publications, please insert --

Zhuiykov, S. et al., *Stabilized Zirconia-Based NOx Sensor Using ZnFe2O4 Sensing Electrode*, Electrochemical and Solid-State Letters, 4 (9), H19-H21 (2001).

Ruhland, B. et al., *Gas-kinetic Interactions of Nitrous Oxides with SnO2 Surfaces*, Sensors and Actuators B 50, 85-94 (1998).

Imanaka, N. et al., *Nitrogen Oxides Sensor Based on Silicon Nitride Refractory Ceramics*, Electrochemical and Solid-State Letters, 2 (2), 100-101 (1999).

Zhuiykov, S. et al., *Potentiometric NOx Sensor Based on Stabilized Zirconia and NiCr2O4 Sensing Electrode Operating High Temperatures*, Electrochemistry Communications 3, 97-101 (2001).

Miura, N. et al., *Selective Detection of NO by Using an Amperometric Sensor Based on Stabilized Zirconia and Oxide Electrode*, Solid State Ionics 117, 283-290 (1999).

Sberveglieri, G., et al., *Response to Nitric Oxide of Thin and Thick SnO2 Films Containing Trivalent Additives*, Sensors and Actuators B1, 79-82 (1990).

Baratto, C. et al., *Gold-Catalysed Porous Silicon for NOx Sensing*, Sensors and Actuators B 68, 74-80 (2000).

Fruhberger, B. et al., *Detection and Quantification of Nitric Oxide in Human Breath Using a Semiconducting Oxide Based Chemiresistive Microsensor*, Sensors and Actuators B 76, 226-234 (2001).

Ono, M. et al., *Amperometric Based on NASICON and NO Oxidation Catalysts for Detection of Total NOx in Atmospheric Environment*, Solid State Ionics 136-137, 583-588 (2000).

Fleischer, M. et al., *Selective Gas Detection with High-Temperature Operated Metal Oxides Using Catalytic Filters*, Sensors and Actuators B 69, 205-210 (2000).

Kitsukawa, S. et al., *The Interference Elimination for Gas Sensor by Catalyst Filters*, Sensors and Actuators B 65, 120-121 (2000).

Hugon, O. et al., *Gas Separation with a Zeolite Filter, Application to the Selectivity Enhancement of Chemical Sensors*, Sensors and Actuators B 67, 235-243 (2000).

Kaneyasu, K. et al., *A Carbon Dioxide Gas Sensor Based on Solid Electrolyte for Air Quality Control*, Sensors and Actuators B66, 58-58 (2000).

Szabo, N. et al., *Microporous Zeolite Modified yttria Stabilized Zirconia (YSZ) Sensors for Nitric Oxide (NO) Determination in Harsh Environments*, Sensors and Actuators B 4142, 1-8 (2001). --

A review of the Application as submitted and thereafter as amended, confirms that the errors were made in the printing of the patent.

Since the above noted errors for which a Certificate of Correction is sought were a result of Patent Office mistake, no fee is due (35 U.S.C. § 254). Approval of the Certificate of Correction respectfully is solicited.

Respectfully submitted,

Date: 2-14-06

By: Michael Stonebrook

Michael Stonebrook
Registration No. 53,851
Standley Law Group LLP
Attorneys for Applicant
495 Metro Place South, Suite 210
Dublin, Ohio 43017-5315
Telephone: 614/792-5555

PTO/SB/44 (04-04)
Approved for use through 01/31/2004. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

(Also Form PTO-1 050)

# UNITED STATES PATENT AND TRADEMARK OFFICE
# CERTIFICATE OF CORRECTION

PATENT NO : 6,843,900 B2

DATED : January 18, 2005

INVENTOR(S) : Dutta et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In References Cited (56), Other Publications, please insert --

Zhuiykov, S. et al., *Stabilized Zirconia-Based NOx Sensor Using $ZnFe_2O_4$ Sensing Electrode*, Electrochemical and Solid-State Letters, 4 (9), H19-H21 (2001).

Ruhland, B. et al., *Gas-kinetic Interactions of Nitrous Oxides with $SnO_2$ Surfaces*, Sensors and Actuators B 50, 85-94 (1998).

Imanaka, N. et al., *Nitrogen Oxides Sensor Based on Silicon Nitride Refractory Ceramics*, Electrochemical and Solid-State Letters, 2 (2), 100-101 (1999).

Zhuiykov, S. et al., *Potentiometric NOx Sensor Based on Stabilized Zirconia and $NiCr_2O_4$ Sensing Electrode Operating High Temperatures*, Electrochemistry Communications 3, 97-101 (2001).

Miura, N. et al., *Selective Detection of NO by Using an Amperometric Sensor Based on Stabilized Zirconia and Oxide Electrode*, Solid State Ionics 117, 283-290 (1999).

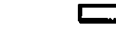
Sberveglieri, G., et al., *Response to Nitric Oxide of Thin and Thick $SnO_2$ Films Containing Trivalent Additives*, Sensors and Actuators B1, 79-82 (1990).

Baratto, C. et al., *Gold-Catalysed Porous Silicon for NOx Sensing*, Sensors and Actuators B 68, 74-80 (2000).

MAILING ADDRESS OF SENDER:
Michael Stonebrook
Standley Law Group LLP
495 Metro Place South
Suite 210
Dublin, OH 43017-5319

PATENT NO. 6,843,900 B2

No. of additional copies



# UNITED STATES PATENT AND TRADEMARK OFFICE
# CERTIFICATE OF CORRECTION

PATENT NO : 6,843,900 B2
DATED : January 18, 2005
INVENTOR(S) : Dutta et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Fruhberger, B. et al., *Detection and Quantification of Nitric Oxide in Human Breath Using a Semiconducting Oxide Based Chemiresistive Microsensor*, Sensors and Actuators B 76, 226-234 (2001).

Ono, M. et al., *Amperometric Based on NASICON and NO Oxidation Catalysts for Detection of Total NOx in Atmospheric Environment*, Solid State Ionics 136-137, 583-588 (2000).

Fleischer, M. et al., *Selective Gas Detection with High-Temperature Operated Metal Oxides Using Catalytic Filters*, Sensors and Actuators B 69, 205-210 (2000).

Kitsukawa, S. et al., *The Interference Elimination for Gas Sensor by Catalyst Filters*, Sensors and Actuators B 65, 120-121 (2000).

Hugon, O. et al., *Gas Separation with a Zeolite Filter, Application to the Selectivity Enhancement of Chemical Sensors*, Sensors and Actuators B 67, 235-243 (2000).

Kaneyasu, K. et al., *A Carbon Dioxide Gas Sensor Based on Solid Electrolyte for Air Quality Control*, Sensors and Actuators B66, 56-58 (2000).

Szabo, N. et al., *Microporous Zeolite Modified yttria Stabilized Zirconia (YSZ) Sensors for Nitric Oxide (NO) Determination in Harsh Environments*, Sensors and Actuators B 4142, 1-8 (2001). --

MAILING ADDRESS OF SENDER:

Michael Stonebrook
Standley Law Group LLP
495 Metro Place South
Suite 210
Dublin, OH 43017-5319

PATENT NO. 6,843,900 B2

No. of additional copies ⇨ ____

PTO/SB/44 (04-05)
Approved for use through 04/30/2007. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

# UNITED STATES PATENT AND TRADEMARK OFFICE
## CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 6,898,857 B2

APPLICATION NO.: 10/399,990

ISSUE DATE : May 31, 2005

INVENTOR(S) : SLACK, Maurice William

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the drawings, Sheet 1, Fig. 1, reference numeral 2 should be applied to the exterior surface of the tubular (rather than reference numeral 4).

In the drawings, Sheet 1, Fig. 1, reference numeral 4 should be applied to the slots in the tubular (rather than reference numeral 2).

In Claim 1, Column 9, Line 58, after "liners" insert --having largely longitudinally oriented slots--.

In Claim 1, Column 9, Line 62, after "surface" insert --, said slots being oriented largely longitudinally relative to the axis of the liner--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Donald V. Tomkins
#740, 10150 - 100 Street
Edmonton, Alberta, Canada T5J 0P6